

**METHODS AND COMPOSITIONS FOR SECRETION
OF HETEROLOGOUS POLYPEPTIDES**
ABSTRACT OF THE DISCLOSURE

The instant invention discloses the unexpected result that mutant signal sequences with reduced translational strength provided essentially complete processing and high levels of expression of a polypeptide of interest as compared to wild type signal sequences, and that many mammalian polypeptides require a narrow range of translation levels to achieve maximum secretion. A set of signal sequence vectors provides a range of translational strengths for optimizing expression of a polypeptide of interest.